

In the claims:

Please amend the claims as follows:

---

1.-21. (Cancelled)

22. (Original) A bone marrow hematopoietic stem cell from a recipient mammal into which has been inserted DNA encoding an MHC class I antigen of a MHC nonidentical donor of the same species.

23. (Original) The bone marrow hematopoietic stem cell of claim 22, wherein said stem cell is capable of expressing said DNA in said recipient mammal and when introduced into said recipient mammal is capable of inhibiting said recipient's immune response to a tissue of said donor, which tissue expresses the same MHC class I antigen as that encoded by said DNA.

24. (Cancelled)

25. (Original) The bone marrow hematopoietic stem cell of claim 22, wherein said DNA is inserted into said cell by transduction.

26. (Original) The bone marrow hematopoietic stem cell of claim 22, wherein said DNA is inserted into said cell by a retrovirus.

27. (Original) The bone marrow hematopoietic stem cell of claim 26, wherein said retrovirus is a Moloney-based retrovirus.

28. (Original) A mammalian bone marrow hematopoietic stem cell, said stem cell having inserted therein DNA encoding an MHC class I antigen from an MHC nonidentical donor of the same species.

29. (Cancelled)

30. (Original) The bone marrow hematopoietic stem cell of claim 28, wherein said stem cell is capable of expressing said DNA in a recipient human and when introduced into said recipient human is capable of inhibiting said recipient's immune response to a tissue of said donor, which tissue expresses the same MHC class I antigen as that encoded by said DNA.

31. (Original) The mammalian bone marrow hematopoietic stem cell of claim 28, wherein said DNA is inserted into said cells by transduction.

32. (Original) The mammalian bone marrow hematopoietic stem cell of claim 28, wherein said DNA is inserted into said cells by a retrovirus.

33. (Original) The mammalian bone marrow hematopoietic stem cell of claim 32, wherein said retrovirus is a Moloney-based retrovirus.

34. (Currently Amended) A method for inhibiting a mammalian recipient's ability to mount an immune response against an MHC class I antigen of tissue from a donor mammal of the same species to be provided to said recipient, comprising:

providing said recipient with a cell composition comprising recipient species bone marrow hematopoietic stem cells having inserted therein DNA encoding an MHC class I antigen to be expressed in said recipient, said MHC class I antigen being the same as or closely related to that expressed by donor tissue to be provided to said recipient, to thereby inhibit said recipient's ability to mount an immune response against said MHC class I antigen expressed by the donor tissues.

35. (Original) The method of claim 34, wherein said cells are removed from said recipient prior to said insertion and returned to said recipient after said insertion.

36. (Cancelled)

37. (Original) The method of claim 34, wherein said DNA is inserted into said cells by transduction.

38. (Original) The method of claim 34, wherein said DNA is inserted into said cells by a retrovirus.

39. (Original) The method of claim 34, wherein said retrovirus is a Moloney-based retrovirus.

40. (New) The method of claim 34, wherein the MHC class I antigen to be expressed in said recipient is the same as that expressed by the donor tissue to be provided to said recipient.

41. (New) The method of claim 34, wherein the MHC class I antigen to be expressed in said recipient is closely related to that expressed by the donor tissue to be provided to said recipient.

42. (Re-presented-formerly dependent claim 24) A bone marrow hematopoietic stem cell from a recipient human into which has been inserted DNA encoding an MHC class I antigen of an MHC nonidentical human donor.

43. (New) The bone marrow hematopoietic stem cell of claim 42, wherein said stem cell is capable of expressing said DNA in said recipient human and when introduced into said recipient human is capable of inhibiting said recipient's immune response to a tissue of said donor, which tissue expresses the same MHC class I antigen as that encoded by said DNA.

44. (New) The bone marrow hematopoietic stem cell of claim 42, wherein said DNA is inserted into said cell by transduction.

45. (New) The bone marrow hematopoietic stem cell of claim 42, wherein said DNA is inserted into said cell by a retrovirus.

46. (New) The bone marrow hematopoietic stem cell of claim 45, wherein said retrovirus is a Moloney-based retrovirus.

47. (Re-presented-formerly dependent claim 29) A human bone marrow hematopoietic stem cell, said stem cell having inserted therein DNA encoding an MHC class I antigen from an MHC nonidentical human donor.

48. (New) The bone marrow hematopoietic stem cell of claim 47, wherein said stem cell is capable of expressing said DNA in a recipient human and when introduced into said recipient human is capable of inhibiting said recipient's immune response to a tissue of said donor, which tissue expresses the same MHC class I antigen as that encoded by said DNA.

49. (New) The bone marrow hematopoietic stem cell of claim 47, wherein said DNA is inserted into said cells by transduction.

50. (New) The bone marrow hematopoietic stem cell of claim 47, wherein said DNA is inserted into said cells by a retrovirus.

51. (New) The bone marrow hematopoietic stem cell of claim 50, wherein said retrovirus is a Moloney-based retrovirus.

52. (Re-presented- formerly dependent claim 36) A method for inhibiting a human recipient's ability to mount an immune response against an MHC class I antigen of tissue from a donor human to be provided to said recipient, comprising:

providing said recipient with a cell composition comprising recipient human bone marrow hematopoietic stem cells having inserted therein DNA encoding an MHC class I antigen to be expressed in said recipient, said MHC class I antigen being the same as or closely related to that expressed by donor tissue to be provided to said recipient, to thereby inhibit said recipient's

ability to mount an immune response against said MHC class I antigen expressed by the donor tissues.

53. (New) The method of claim 52, wherein the MHC class I antigen to be expressed in said recipient is the same as that expressed by the donor tissue to be provided to said recipient.

54. (New) The method of claim 52, wherein the MHC class I antigen to be expressed in said recipient is closely related to that expressed by the donor tissue to be provided to said recipient.

55. (New) The method of claim 52, wherein said cells are removed from said recipient prior to said insertion and returned to said recipient after said insertion.

56. (New) The method of claim 52, wherein said DNA is inserted into said cells by transduction.

57. (New) The method of claim 52, wherein said DNA is inserted into said cells by a retrovirus.

58. (New) The method of claim 52, wherein said retrovirus is a Moloney-based retrovirus.

---

B1  
Ant